

FORM 1449*			Docket Number: 9555.94US11	Application Number: 09/904251
INFORMATION DISCLOSURE STATEMENT IN AN APPLICATION (Use several sheets if necessary)			Applicant: WU, et al.	
			Filing Date: 12 July 2001	Group Art Unit: Unknown

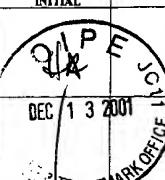
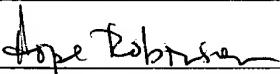
DEC 13 2001



U.S. PATENT DOCUMENTS						
EXAMINER INITIAL	DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>[initial]</i>	5 665 774	8 Mar. 1993	Armistead et al.	514	533	
FOREIGN PATENT DOCUMENTS						
	DOCUMENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION
						YES
<i>[initial]</i>	WO 98/13061	April 2, 1998	PCT	—	—	
	WO 96/32105	Oct. 17, 1996	PCT	—	—	
	WO 96/13266	May 9, 1996	PCT	—	—	
	WO 95/24914	Sep. 21, 1995	PCT	—	—	
<i>[initial]</i>	WO 94/17816	Aug. 18, 1994	PCT	—	—	
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)						
<i>[initial]</i>	1998	Wang, et al.; "Role of Proteasomes in T Cell Activation and Proliferation"; <i>Journal of Immunology</i> ; 1998; pp. 788-801.				
	1998	Hirsch, et al.; "Proteasome Activation Occurs at an Early, Premitochondrial Step of Thymocyte Apoptosis"; <i>Journal of Immunology</i> ; 1998; pp. 35-40.				
	1997	Wang, et al.; "Rapamycin Inhibits Proteasome Activator Expression and Proteasome Activity"; <i>Eur. J. Immunol.</i> ; 1997; pp. 2781-2786.				
	1997	Stephanie Meyer, et al.; "Cyclosporine A is an uncompetitive inhibitor of proteasome activity and prevents NF- κ B activation"; <i>FEBS Letters</i> ; 1997; pp. 354-358.				
	1996	J.E.F. Reynolds; "Cyclosporin" and "Sirolimus"; <i>Martindale, The Extra Pharmacopoeia</i> ; 1996; pp. 557-562 and pp. 598-600.				
	1997	Haili Cui, et al.; "Proteasome regulation of activation-induced T cell death"; <i>Proc. Natl. Acad. Sci.</i> ; July 1997; pp. 7515-7520.				
	1996	Jeanette M. Griscavage, et al.; "Inhibitors of the proteasome pathway interfere with induction of nitric oxide synthase in macrophages by blocking activation of transcription factor NF- κ B"; <i>Proc. Natl. Acad. Sci.</i> ; April 1996; pp. 3308-3312.				
	1997	Elaine M. Conner, et al.; "Proteasome Inhibition Attenuates Nitric Oxide Synthase Expression, VCAM-1 Transcription and the Development of Chronic Colitis"; <i>Journal of Pharmacology and Experimental Therapeutics</i> ; 1997; pp. 1615-1622.				
	1997	Anthony M. Manning, et al.; "Transcription inhibitors in inflammation"; <i>Expert Opinion on Investigational Drugs</i> ; 1997; pp. 555-567.				
	1995	Shinobu Imajoh-Ohmi, et al.; "Lactacystin, A Specific Inhibitor of the Proteasome, Induces Apoptosis In Human Monoblast U937 Cells"; <i>Biochemical and Biophysical Research Communications</i> ; 1995; Vol. 217, No. 3, pp. 1070-1077.				
<i>[initial]</i>	1997	Hess et al. "The Hydroxylamine of Sulfamethoxazole Synergizes with FK506 and Cyclosporin A, Inhibiting T-Cell Proliferation." <i>Journal of Pharmacology and Experimental Therapeutics</i> , 1997, Col. 281, No. 1, pp. 540-548.				
		International Search Report dated 15 February 1999				

EXAMINER <i>Hope Johnson</i>	DATE CONSIDERED <i>10/24/03</i>
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U.S. PATENT DOCUMENTS						
*EXAMINER INITIAL	REF	DOCUMENT NUMBER	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>AH</i>		5,580,854	Orlowski et al.	514	533	
		5,665,774	Armistead et al.	<i>Duplicate</i>		
FOREIGN PATENT DOCUMENTS						
REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation
						YES
<i>AH</i>	WO 95/25533		PCT (Palombella et al.)	—	—	
OTHER DOCUMENTS <i>(Including Author, Title, Date, Pertinent Pages, Etc.)</i>						
<i>AH</i>		Ahn, J.Y. et al. (1995). "Primary structures of two homologous subunits of PA28, a γ -interferon-inducible protein activator of the 20S proteasome". FEBS Letters, 366: 37-42.				
<i>AH</i> ↓		Brown, E.J. et al. (1994). "A mammalian protein targeted by G1-arresting rapamycin-receptor complex". Nature, 369: 756-758.				
EXAMINER		<i>Hope Robinson</i>		DATE CONSIDERED <i>6/24/03</i>		
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 DEC 13 2001	<p>Brown, E.J. et al. (1996). "A Signaling Pathway to Translational Control". <i>Cell</i>, 86: 517-520.</p>		
	<p>Chen, H. et al. (1997). "Compromised Allograft Rejection Response in Transgenic Mice Expressing Antisense Sequences to Retinol Acid Receptor B2". <i>The Journal of Immunology</i>, 159: 623-634.</p>		
	<p>Chen, H. et al. (1996). "Impaired Signaling in Alloantigen-Specific CD8+ T Cells Tolerized in Vivo". <i>The Journal of Immunology</i>, 157: 4297-4308.</p>		
	<p>Clechanover, Aaron (1994). "The Ubiquitin-Proteasome Proteolytic Pathway". <i>Cell</i>, 79: 13-21.</p>		
	<p>Deshales, R.J. et al. (1995). "Ubiquitination of the G1 cyclin Cln2p by a Cdc34p-dependent pathway". <i>The EMBO Journal</i>, 14: 303-312.</p>		
	<p>Ding, A.H. et al. (1988). "Release of reactive nitrogen intermediates and reactive oxygen intermediates from mouse peritoneal macrophages". <i>The Journal of Immunology</i>, 141: 2407-2412.</p>		
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	<p>Fenteany, G. et al. (1995). "Inhibition of Proteasome Activities and Subunit-Specific Amino-Terminal Threonine Modification by Lactacystin". <i>Science</i>, 268: 726-731.</p>		
	<p>Friguet, B. et al. (1994). "Modification of Glucose-6-phosphate Dehydrogenase by 4-Hydroxy-2-nonenal". <i>The Journal of Biological Chemistry</i>, 269: 21639-21643.</p>		
<p>Grimm, L.M. et al. (1996). "Proteasomes play an essential role in thymocyte apoptosis". <i>The EMBO Journal</i>, 15: 3835-3844.</p>			
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<p>Hall, M. et al. (1995). "Evidence for different modes of action of cyclin-dependent kinase inhibitors: p15 and p16 bind to kinases, p21 and p27 bind to cyclins". <i>Oncogene</i>, 11: 1581-1588.</p> <p>Harding, M.W. et al. (1989). "A receptor for the immuno-suppressant FK506 is a <i>cis-trans</i> peptidyl-prolyl isomerase". <i>Nature</i>, 341: 758-760.</p> <p>Helliwell, S.B. et al. (1994). "TOR1 and TOR2 Are Structurally and Functionally Similar but not Identical Phosphatidylinositol Kinase Homologues in Yeast". <i>Molecular Biology of the Cell</i>, 5: 105-118.</p> <p>Hengst, L. and Reed, S.I. (1996). "Translational Control of p27Kip1 Accumulation During the Cell Cycle". <i>Science</i>, 271: 1861-1864.</p> <p>Jentsch, S. and Schlenker, S. (1995). "Selective Protein Degradation: A Journey's End within the Proteasome". <i>Cell</i>, 82: 881-884.</p> <p>Kroemer, G. et al. (1997). "Mitochondrial control of apoptosis". <i>Immunology Today</i>, 18: 44-51.</p> <p>Kunz, J. et al. (1993). "Target of Rapamycin In Yeast, TOR2, Is an Essential Phosphatidylinositol Kinase Homolog Required for G1 Progression". <i>Cell</i>, 73: 585-596.</p> <p>Liu, X. et al. (1997). "DFF, a Heterodimeric Protein That Functions Downstream of Caspase-3 to Trigger DNA Fragmentation during Apoptosis". <i>Cell</i>, 89: 175-184.</p> <p>Lukas, J. et al. (1995). "Cyclin D2 is a moderately oscillating nucleoprotein required for G1 phase progression in specific cell types". <i>Oncogene</i>, 10: 2125-2134.</p> <p>Lundberg, J.O.N. et al. (1997). "Nitric oxide and inflammation: The answer is blowing in the wind". <i>Nature Medicine</i>, 3: 30-31.</p> <p>Luo, H. et al. (1993). "Anti-CD28 antibody- and IL-4-induced human T cell proliferation is sensitive to rapamycin". <i>Clin. Exp. Immunol.</i> 94: 371-376.</p> <p>Luo, H. et al. (1992). "Inhibition of <i>in vitro</i> Immunoglobulin production by rapamycin". <i>Transplantation</i>, 53: 1071-1076.</p>			
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<p>Nourse, J. et al. (1994). "Interleukin-2-mediated elimination of the p27Kip1 cyclin-dependent kinase inhibitor prevented by rapamycin". <i>Nature</i>, 372: 570-573.</p> <p><i>DEC 3 2001 TRADEMARK OFFICE L1 JCI</i></p> <p>Omura et al. (1991). "Structure of lactacystin, a new microbial metabolite which induces differentiation of neuroblastoma cells". <i>The Journal of Antibiotics</i>, 44: 117-118.</p> <p>Omura et al. (1991). "Lactacystin, a novel microbial metabolite, induces neurito-genesis of neuroblastoma cells". <i>The Journal of Antibiotics</i>, 44: 113-116.</p> <p>Orlowski, M. and Wilk, S. (1981). "A multicatalytic protease complex from pituitary that forms enkephalin and enkephalin containing peptides". <i>Biochemical and Biophysical Research Communication</i>, 101: 814-822.</p> <p>Pagano, M. et al. (1992). "Cyclin A is required at two points in the human cell cycle". <i>The EMBO Journal</i>, 11: 961-971.</p> <p>Pagano, M. et al. (1995). "Role of the Ubiquitin-Proteasome Pathway in Regulating Abundance of the Cyclin-Dependent Kinase Inhibitor p27". <i>Science</i>, 269: 682-685.</p> <p>Palombella, V.J. et al. (1994). "The Ubiquitin-Proteasome Pathway Is Required for Processing the NF-κB1 Precursor Protein and the Activation of NF-κB". <i>Cell</i>, 78: 773-785.</p> <p>Peters, J.M. (1994). "Proteasomes: protein degradation machines of the cell". <i>TIBS</i>, 19: 377-382.</p> <p>Realini, C. et al. (1994). "Molecular Cloning and Expression of a γ-Interferon-inducible Activator of the Multicatalytic Protease". <i>The Journal of Biological Chemistry</i>, 269: 20727-20732.</p> <p>Rock, K.L. et al. (1994). "Inhibitors of the Proteasome Block the Degradation of Most Cell Proteins and the Generation of Peptides Presented on MHC Class I Molecules". <i>Cell</i>, 78: 761-771.</p> <p>Salama, S.R. et al. (1994). "G1 Cyclin Degradation: the PEST Motif of Yeast Cln2 Is Necessary, but Not Sufficient, for Rapid Protein Turnover". <i>Molecular and Cellular Biology</i>, 14: 7953-7966.</p> <p>Sasaki, T. et al. (1990). "Inhibitory effect of di- and tripeptidyl aldehydes on calpains and cathepsins". <i>J. Enzyme Inhib.</i>, 3: 195-201.</p>			
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<p>Scheffner, M. et al. (1993). "The HPV-16 E6 and E6-AP Complex Functions as a Ubiquitin-Protein Ligase in the Ubiquitination of p53". <i>Cell</i>, 75: 495-505.</p> <p>DEC 13 2001 → Schmitt, E. et al (1998). <i>Bcl-xL Modulates Apoptosis induced by Anticancer Drugs and Delays DEVDase and DNA Fragmentation-Promoting Activities</i>". <i>Exp. Cell. Res.</i>, 240: 107-121.</p> <p>Seufert, W. et al. (1995). "Role of a ubiquitin-conjugating enzyme in degradation of S- and M-phase cyclins". <i>Nature</i>, 373: 78-81.</p> <p>Shan, X. et al. (1994). "Expression of a G-protein B subunit-related gene during lymphocyte activation". <i>International Immunology</i>, 6: 739-749.</p> <p>Sherr, Charles J. (1993). "Mammalian G1 Cyclins". <i>Cell</i>, 73: 1059-1065.</p> <p>Siekierka, J.J. et al. (1989). "A cytosolic binding protein for the immunosuppressant FK506 has peptidyl-prolyl isomerase activity but is distinct from cyclophilin". <i>Nature</i>, 341: 755-757.</p> <p>Tam, S.W. et al. (1994). "Differential expression and regulation of Cyclin D1 protein in normal and tumor human cells: association with Cdk4 is required for Cyclin D1 function in G1 progression". <i>Oncogene</i>, 9: 2663-2674.</p> <p>Tocci, M.J. et al. (1989). "The immunosuppressant FK506 selectively inhibits expression of early T cell activation genes". <i>The Journal of Immunology</i>, 143: 718-726.</p> <p>Treier, M. et al. (1994). "Ubiquitin-Dependent c-Jun Degradation In Vivo Is Mediated by the delta Domain". <i>Cell</i>, 78: 787-798.</p> <p>Tsao, M.S. and Duguid, W.P. (1987). "Establishment of Propagable Epithelial Cell Lines from Normal Adult Rat Pancreas". <i>Experimental Cell Research</i>, 168: 365-375.</p> <p>Tsubuki, S. et al. (1993). "Purification and Characterization of a Z-Leu-Leu-Leu-MCA Degrading Protease Expected to Regulate Neurite Formation: a Novel Catalytic Activity in Proteasome". <i>Biochemical and Biophysical Research Communications</i>, 196: 1195-1201.</p> <p>Van den Heuvel, S. and Harlow, E. (1993). "Distinct Roles for Cyclin-Dependent Kinases in Cell Cycle Control". <i>Science</i>, 262: 2050-2054.</p>			
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	Vinitsky, A. et al. (1992). "Inhibition of the Chymotrypsin-like Activity of the Pituitary Multicatalytic Proteinase Complex". Biochemistry, 31: 9421-9428.		
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	Yaglom, J. et al. (1995). "p34Cdc28-Mediated Control of Cln3 Cyclin Degradation". Molecular and Cellular Biology, 15: 731-741.		
	Ahn, K. et al. (1996). "In Vivo Characterization of the Proteasome Regulator PA28". Journal of Biological Chemistry, 271: 18237-18242.		
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